

Mechanical Engineering

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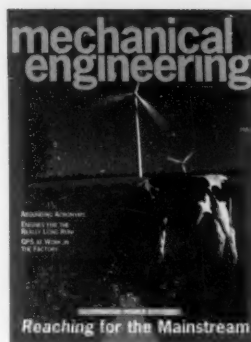
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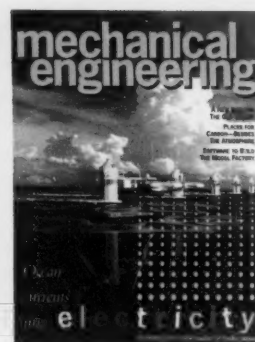
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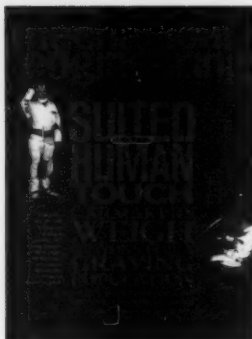
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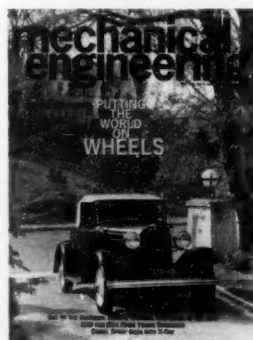
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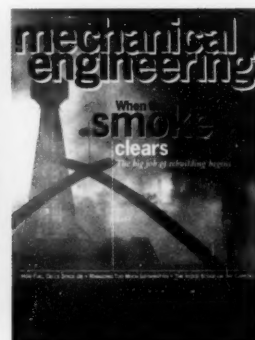
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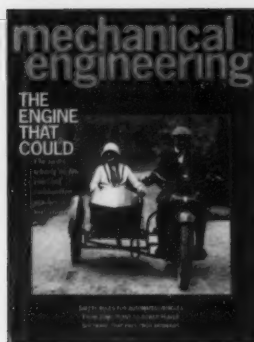
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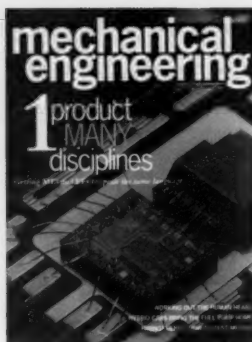
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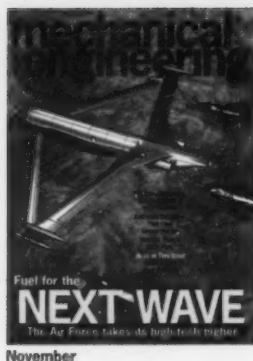
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The Telltale Heart For those whose natural hearts are no longer up to the task, mechanical devices called LVADs are real life-savers. June, pages 56-59, Gayle Ehrenman.

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Thoroughbred Structures An unusual bone configuration in horses provides inspiration for lighter and stronger aerospace structures. *Mechanical Engineering Design*, March, page D30, John DeGaspari.

Too Much Information Organizing information—after gathering it in the first place—is the key to actually using it.

June, pages 44-46, Jean Thilmany.

A Touching Sensation Haptics technology lends the sense of touch to virtual reality. That might not sound very exciting, but it's being used to train surgeons and rehabilitate patients. November, pages 30-32, Jean Thilmany.

Tracking Fusion A rich energy source with low-level waste products: It's a goal researchers continue to chase. June, pages 40-43, Harry Hutchinson.

Transportation Revolution The 707 gave birth to a family of transports—built around its basic design—that have dominated the global airline market ever since. *Mechanical Engineering 100 Years of Flight*, pages 22-25, William F. Mellberg.

Treading Lightly Paved ribbons of speed make for noisy neighbors. April, pages 40-42, Paul Sharke.

Trial by Flyer From the start, the ground has never been very far away. *Mechanical Engineering 100 Years of Flight*, pages 4-10, Frank Wicks.

Twice Cleaned Developers of a coal-exhaust filtering system say doubling up gets almost all the dust out, with a smaller bag house. July, page 56, Jeffrey Winters.

Under the Capitol Dome That may look like marble, but looks can be deceiving. June, pages 52-54, Robert O. Woods.

A Whole New Heart More than two decades after the first ill-fated attempt at building a better heart, research and technology are finally catching up with intent. August, pages 51-53, Gayle Ehrenman.

Winding Up Two companies—one big, one small—aim to put wind turbines on the U.S. electrical map. January, pages 36-39, Jeffrey Winters.

The Years Ahead Who can know the future better than those who are creating it? *Mechanical Engineering 100 Years of Flight*, pages 35-36, J. Victor Lebacqz, Robert Pearce, Dan Mooney, and Mal O'Neill.

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Let's See How It'll Fly, Jean Thilmany, January, page 84.

Matchsticks and Sunshine, Harry T. Roman, *Mechanical Engineering Power*, page 34.

Not by the Seat of His Pants, Kevin Kochersberger, *Mechanical Engineering 100 Years of Flight*, page 40.

Planetary Crankshaft, Jeffrey Winters, April, page 72.

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